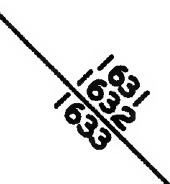




1631

BEAM POWER AMPLIFIER

For applications critical as to uniformity of characteristics

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.45	amp.
Plate Dissipation		16 max. watts

Other ratings, characteristics, dimensions, and socket connections for the 1631 are the same as those for Type 6L6. Typical operating data for the 6L6 also apply to the 1631 within the limitation of the maximum plate-dissipation rating.

1632

BEAM POWER AMPLIFIER

For applications critical as to uniformity of characteristics

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.6	amp.
Plate Voltage		117 max. volts
Screen Voltage		117 max. volts
Plate Dissipation		5.5 max. watts

Dimensions and socket connections for the 1632 are the same as for Type 25L6. Typical operating data for the 1632 are the same within its plate voltage and dissipation limitations as for the 25L6.

1633

TWIN-TRIODE AMPLIFIER

For applications critical as to matching of the two triode units

Heater	Coated Unipotential Cathode		
Voltage	25		a-c or d-c volts
Current	0.15		amp.
Direct Interelectrode Capacitances (Approx.):°			
	Triode Unit T_1	*Triode Unit T_2*	
Grid to Plate	3.6	3.6	μμf
Grid to Cathode	3.0	2.8	μμf
Plate to Cathode	0.8	1.2	μμf
Maximum Overall Length			3-5/16"
Maximum Seated Height			2-3/4"
Maximum Diameter			1-5/16"
Bulb			T-9
Base			Intermediate Shell Octal 8-Pin

Pin 1 - Grid T_2
Pin 2 - Plate T_2
Pin 3 - Cathode T_2
Pin 4 - Grid T_1
Pin 5 - Plate T_1
Pin 6 - Cathode T_1
Pin 7 - Heater
Pin 8 - Heater

BOTTOM VIEW (8BD)

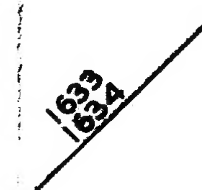
Mounting Position: Any

For convenience, one triode unit is identified as T_1; the other as T_2.

° See next page.

Nov. 15, 1945 DATA

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY





1633

TWIN-TRIODE AMPLIFIER

(continued from preceding page)

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER – Each Unit

Plate Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Cathode Current	20 max.	ma.
Plate Dissipation	2.5 max.	watts
D-C Heater-Cathode Potential	90 max.	volts
Characteristics - Class A_1 Amplifier:		
Plate Voltage	250	volts
Grid Voltage#	-8	volts
Amplification Factor	18	
Plate Resistance	6900	ohms
Transconductance	2600	μmhos
Plate Current	11.5	ma.

° With no external shield.

The d-c resistance in the grid circuit should not exceed 1.0 megohm under maximum rated conditions per unit.

Curves for Type 1633 are the same as for the 6J5, and 6SN7-GT.

1634

TWIN-TRIODE AMPLIFIER

For applications critical as to matching of the two triode units

Maximum ratings, characteristics, dimensions, and socket connections for the 1634 are the same as for Type 12SC7.